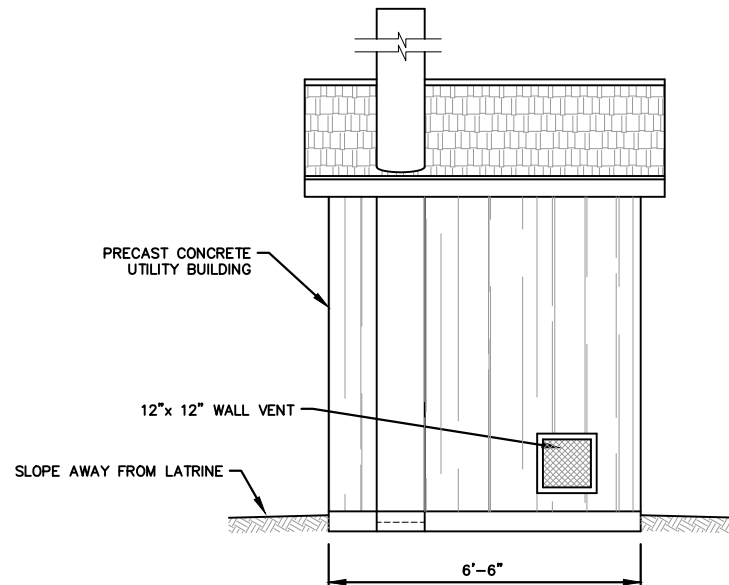
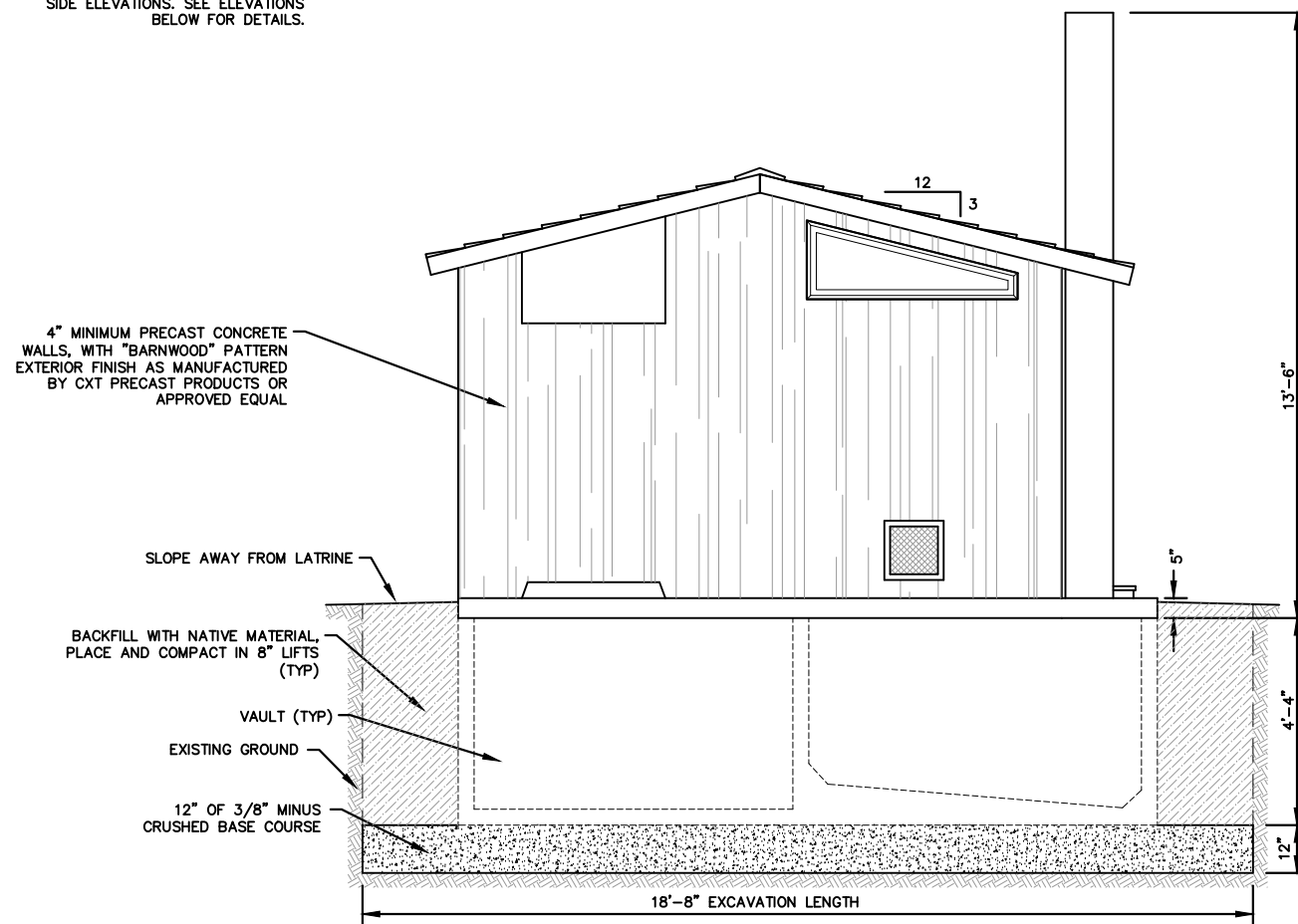


NOTE: LATRINE VAULTS ARE NOT SHOWN IN THE FRONT AND RIGHT SIDE ELEVATIONS. SEE ELEVATIONS BELOW FOR DETAILS.

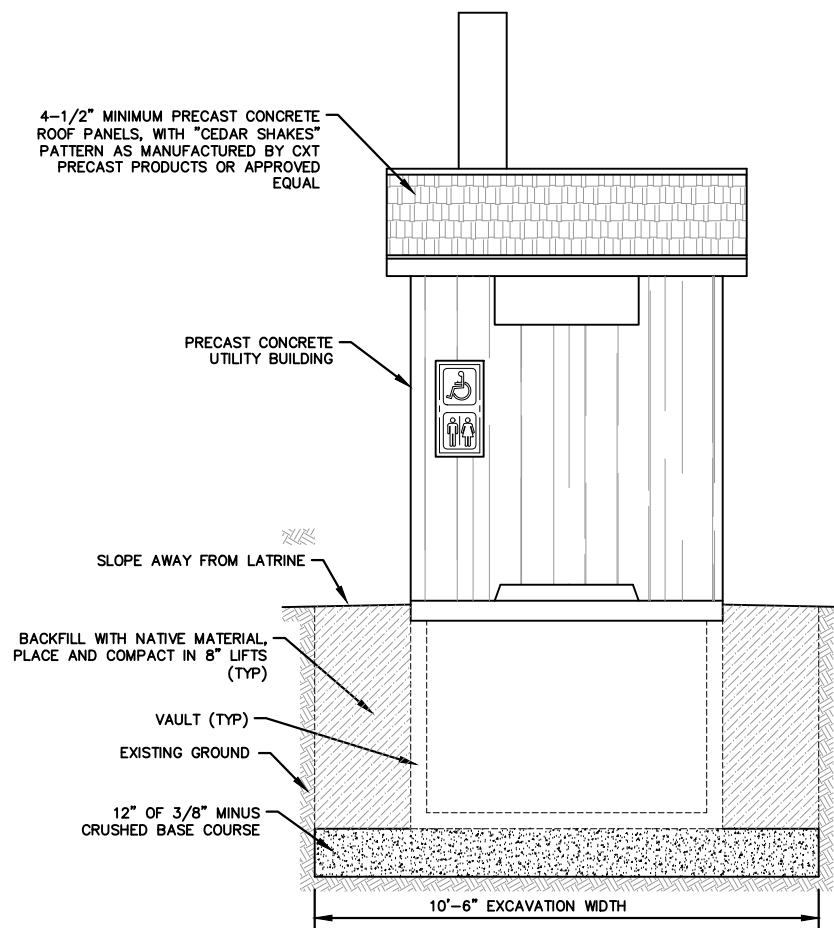
FRONT ELEVATION



RIGHT SIDE ELEVATION



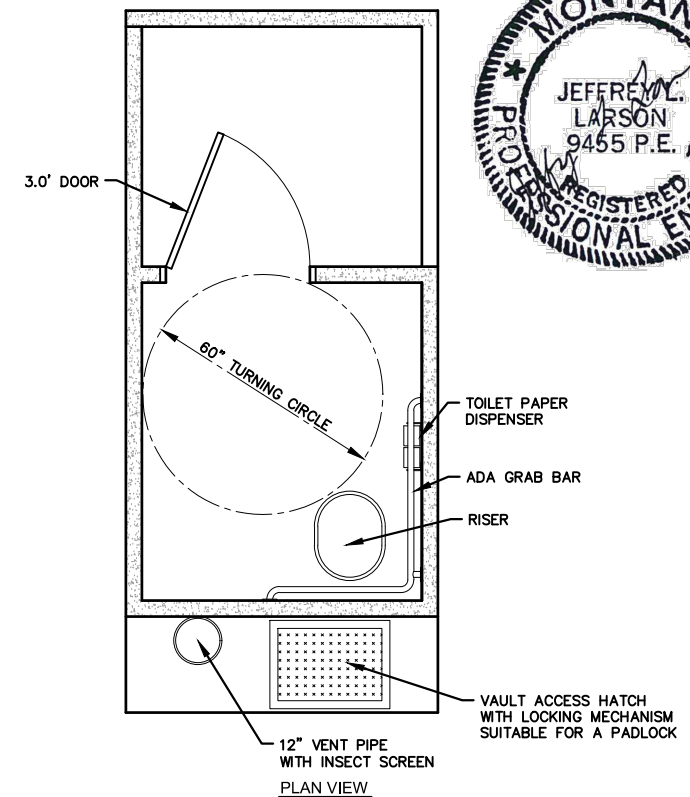
REAR ELEVATION



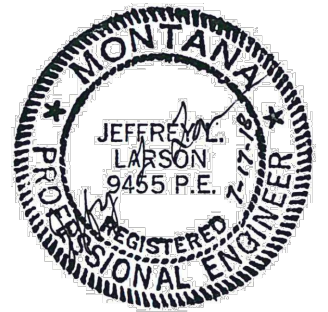
LEFT SIDE ELEVATION

PRECAST CONCRETE LATRINE

NO SCALE



PLAN VIEW



NOTES:

GENERAL

THE LATRINE WILL BE PURCHASED AND DELIVERED TO THE SITE BY OWNER.

INSTALLATION

GENERAL INSTALLATION INVOLVES EXCAVATION, LEVELING BOTTOM OF HOLE WITH DRAIN AGGREGATE, INSTALLING LATRINE, BACKFILLING AROUND LATRINE AND LANDSCAPING.

EXCAVATION

- EXCAVATE SUBSOIL TO A POINT 12 INCHES DEEPER THAN REQUIRED FOR LATRINE INSTALLATION.
 - DEPTH OF EXCAVATION IS 5.75' FOR THE PRECAST LATRINES MANUFACTURED BY MISSOULA CONCRETE.
 - FINISH FLOOR ELEVATION IS SHOWN ON THE SITE PLAN.
- MINIMIZE OVER EXCAVATION. STOCKPILE EXCAVATED MATERIAL FOR LATER BACKFILLING AND LANDSCAPING.
- COMPACT BOTTOM OF HOLE WITH THREE PASSES OF WHACKER OR SKID PLATE COMPACTION DEVICE.

LEVELING

- USE SMALL GRAVEL, 3/8 INCH MINUS CRUSHED OR SCREENED GRAVEL, AND PLACE ENOUGH IN BOTTOM OF HOLE SUCH THAT WHEN COMPACTED, IT WILL BE 12 INCHES DEEP.
- COMPACT LEVELING MATERIAL WITH THREE PASSES OF COMPACTION DEVICE.
- LEVEL BASE FOR INSTALLATION OF LATRINE.

LATRINE INSTALLATION

- THE PRECAST LATRINE WILL BE SET BY THE SUPPLIER.
- INSURE THAT LATRINE SITS LEVEL AND PLUMB WHEN DONE INSTALLING.

BACKFILLING

- PLACE IN SUCCESSIVE 8 INCH LAYERS MATERIAL PREVIOUSLY EXCAVATED FROM HOLE AND COMPACT.
 - REMOVE ROCKS LARGER THAN 6 INCHES IN DIAMETER FROM THE FILL.
 - REMOVE BRANCHES, ROOTS AND OTHER OR ORGANIC DEBRIS IN FILL.

LANDSCAPING

- SLOPE GRADE AWAY FROM LATRINE.
- BLEND FILL SLOPE INTO SURROUNDING TERRAIN.
- REMOVE SURPLUS FILL MATERIAL.
- REMOVE SOIL TO A DEPTH OF 2 INCHES BENEATH LOCATION FOR ENTRANCE SLAB AND COMPACT.
- PLACE TWO INCHES OF 3/4 INCH PEA GRAVEL FOR BEDDING, LEVEL AND COMPACT.

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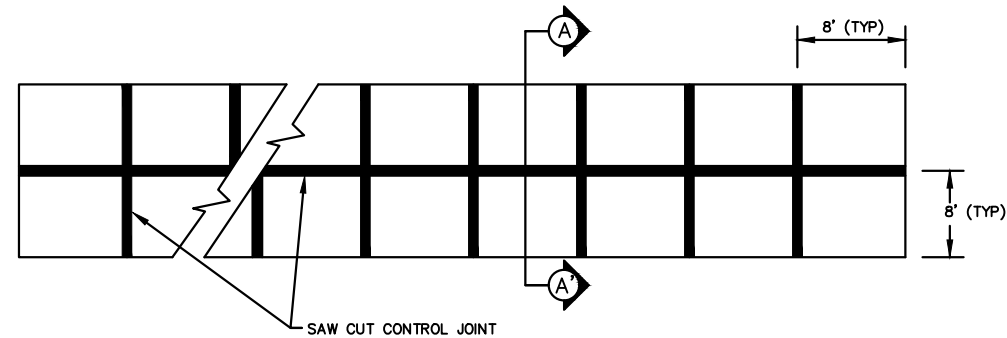
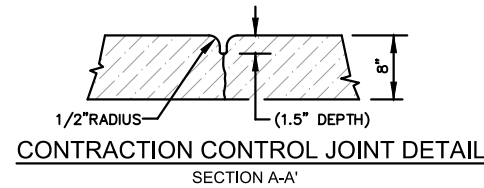
**MONTANA FISH,
WILDLIFE & PARKS**

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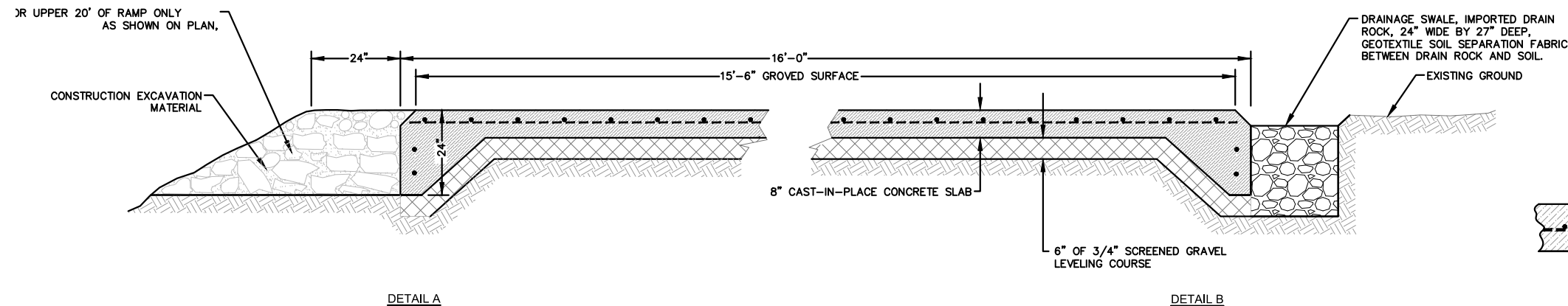
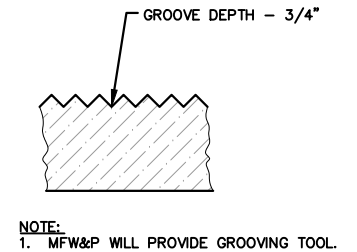
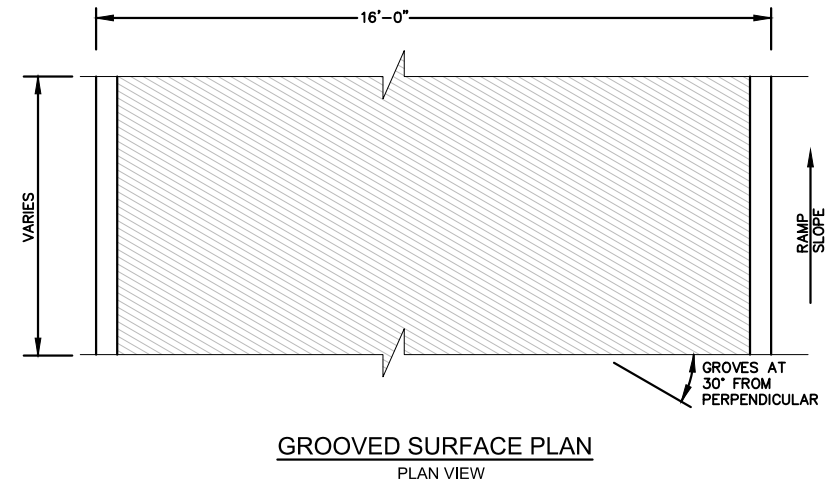
LATRINE DETAILS
GOLD CREEK FISHING ACCESS SITE
FWP #7163618

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SHEET: **C5**

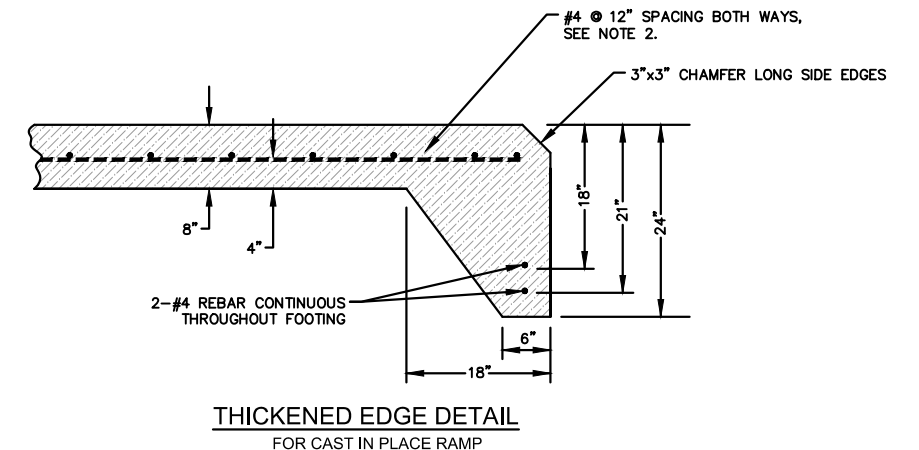


- NOTES:
1. CONCRETE FOR NEW RAMP IS A 3/4" MINUS; 6-1/2 SACK MIX WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, REINFORCED WITH #4 BARS @ 12" SPACING BOTH DIRECTIONS.
 2. SCREED CONCRETE FOLLOWED BY GROOVING THE SURFACE.
 3. SAW CUT CONTRACTION JOINTS AFTER THE RAMP IS GROOVED.

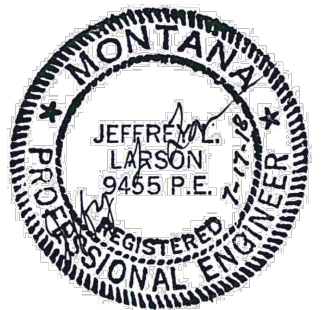


TO BE USED WHEN:
SURFACE OF RAMP IS ABOVE EXISTING
GROUND TO PROTECT AGAINST EROSION
OR IN AREAS WHERE GRAVEL SURFACING
IS SHOWN ADJACENT TO RAMP

TO BE USED WHEN:
SURFACE OF RAMP IS AT OR BELOW
EXISTING GROUND



- NOTES:
1. CONTINUE THICKENED EDGE FOOTING AROUND ENTIRE PERIMETER OF CAST-IN-PLACE CONCRETE.
 2. EXTEND AND EXPOXY #4 BARS MIN 20" (12" O.C.) IN EXISTING CONCRETE CONNECTIONS. PROVIDE EXPANSION JOINT MATERIAL ALONG COLD JOINT CONNECTIONS.
 3. NO CHAMFER ALONG SIDEWALK/BULKHEAD/EXISTING CONCRETE CONNECTIONS.
 4. PROVIDE 3" CLEAR FOR ALL REBAR REINFORCEMENT FROM CONCRETE SURFACES IN CONTACT WITH EARTH. PROVIDE 2" CLEAR FROM ALL OTHER CONCRETE SURFACES.



CAST-IN-PLACE CONCRETE BOAT RAMP

NO SCALE

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**MONTANA FISH,
WILDLIFE & PARKS**

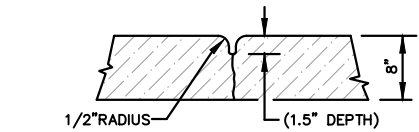
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CAST-IN-PLACE BOAT RAMP
GOLD CREEK FISHING ACCESS SITE
FWP #7163618

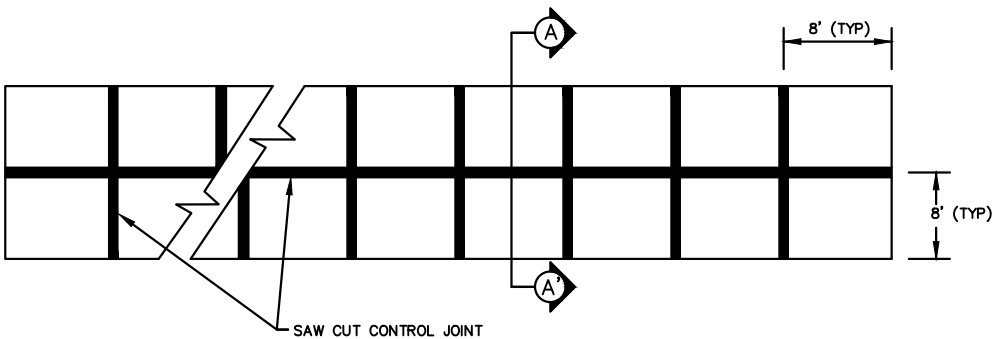
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SHEET: **C6**

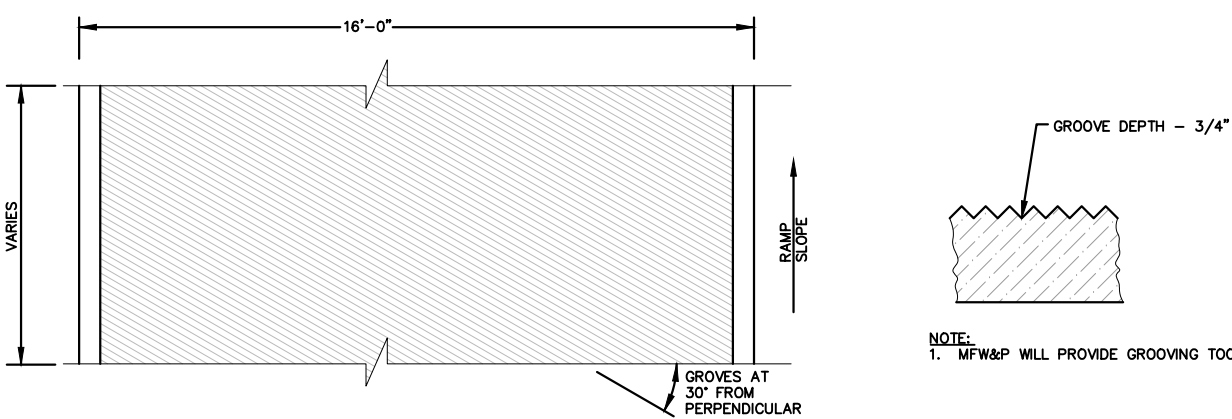
NOTES:
1. CONCRETE FOR NEW RAMP SHALL BE M-4000 CONCRETE
AS SPECIFIED BY THE MONTANA PUBLIC WORKS SPECIFICATION.
2. SCREED CONCRETE FOLLOWED BY GROOVING THE SURFACE.
3. SAW CUT CONTRACTION JOINTS AFTER THE RAMP IS GROOVED.



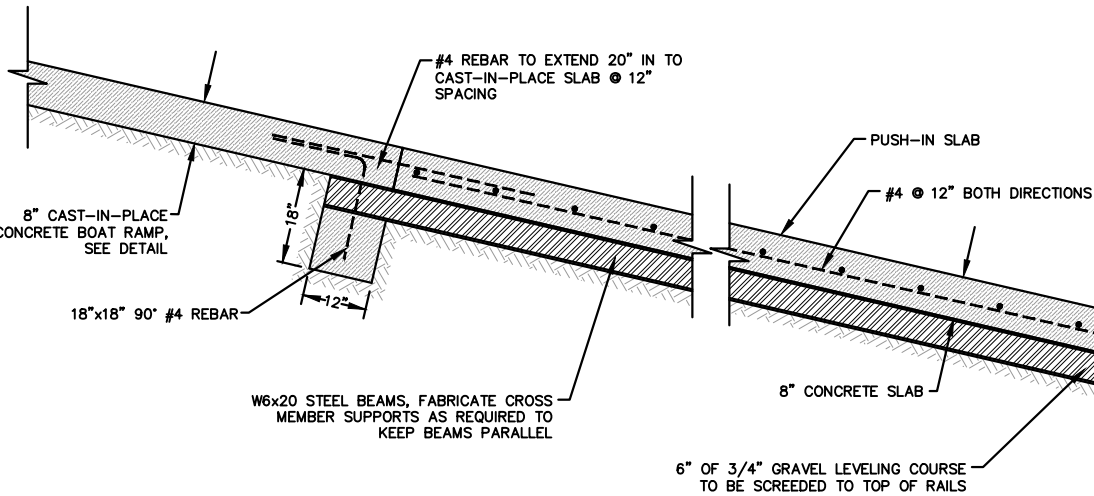
CONTRACTION CONTROL JOINT DETAIL
SECTION A-A'



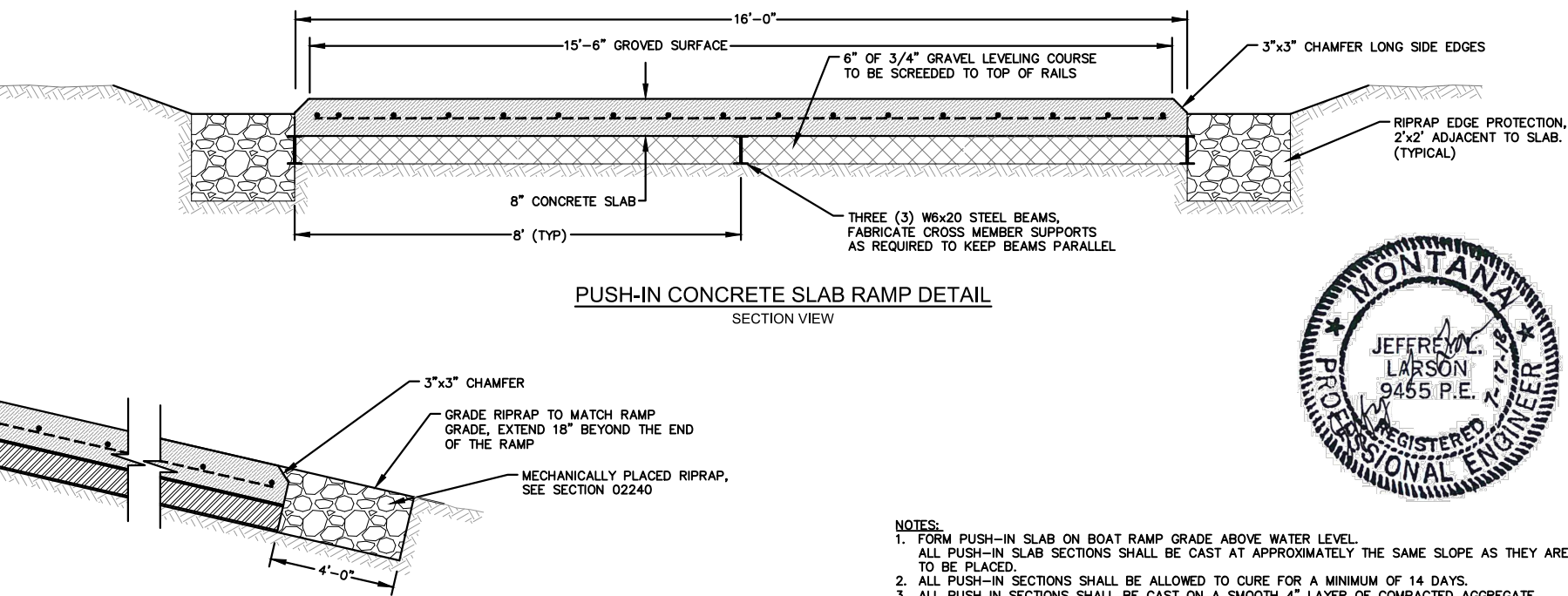
SLAB CONTROL JOINT DETAIL
PLAN VIEW



GROOVED SURFACE PLAN
PLAN VIEW



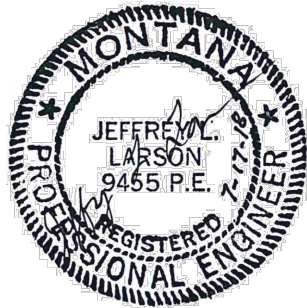
PUSH-IN CONCRETE SLAB RAMP DETAIL
ELEVATION VIEW



PUSH-IN CONCRETE SLAB RAMP DETAIL
SECTION VIEW

PUSH-IN CONCRETE BOAT RAMP
NO SCALE

- NOTES:
1. FORM PUSH-IN SLAB ON BOAT RAMP GRADE ABOVE WATER LEVEL.
ALL PUSH-IN SLAB SECTIONS SHALL BE CAST AT APPROXIMATELY THE SAME SLOPE AS THEY ARE TO BE PLACED.
 2. ALL PUSH-IN SECTIONS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 14 DAYS.
 3. ALL PUSH IN SECTIONS SHALL BE CAST ON A SMOOTH 4\"



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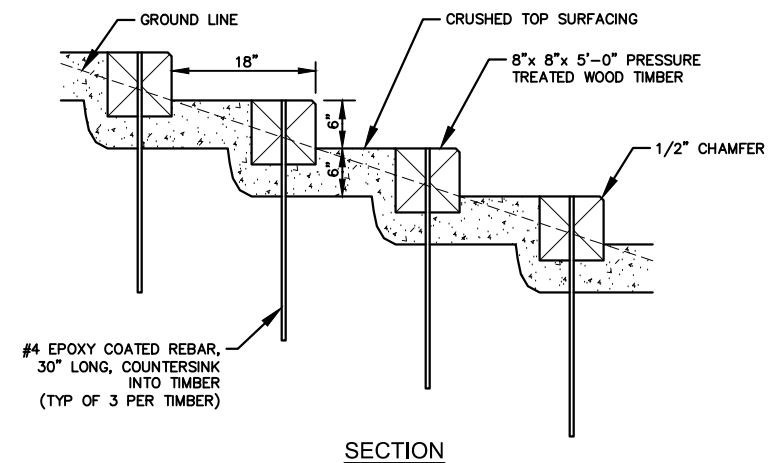
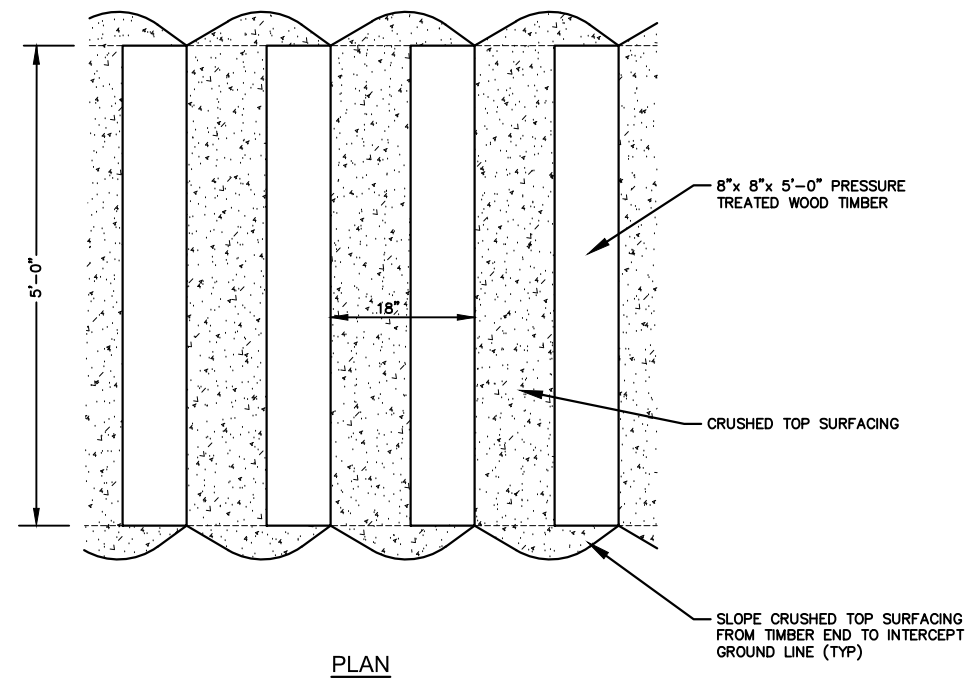
**MONTANA FISH,
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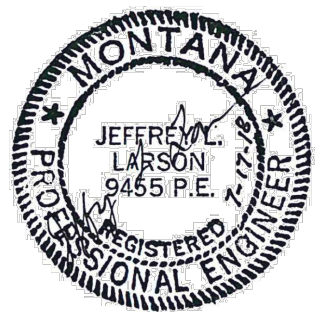
PUSH-IN BOAT RAMP DETAILS
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TIMBER STEPS
NO SCALE



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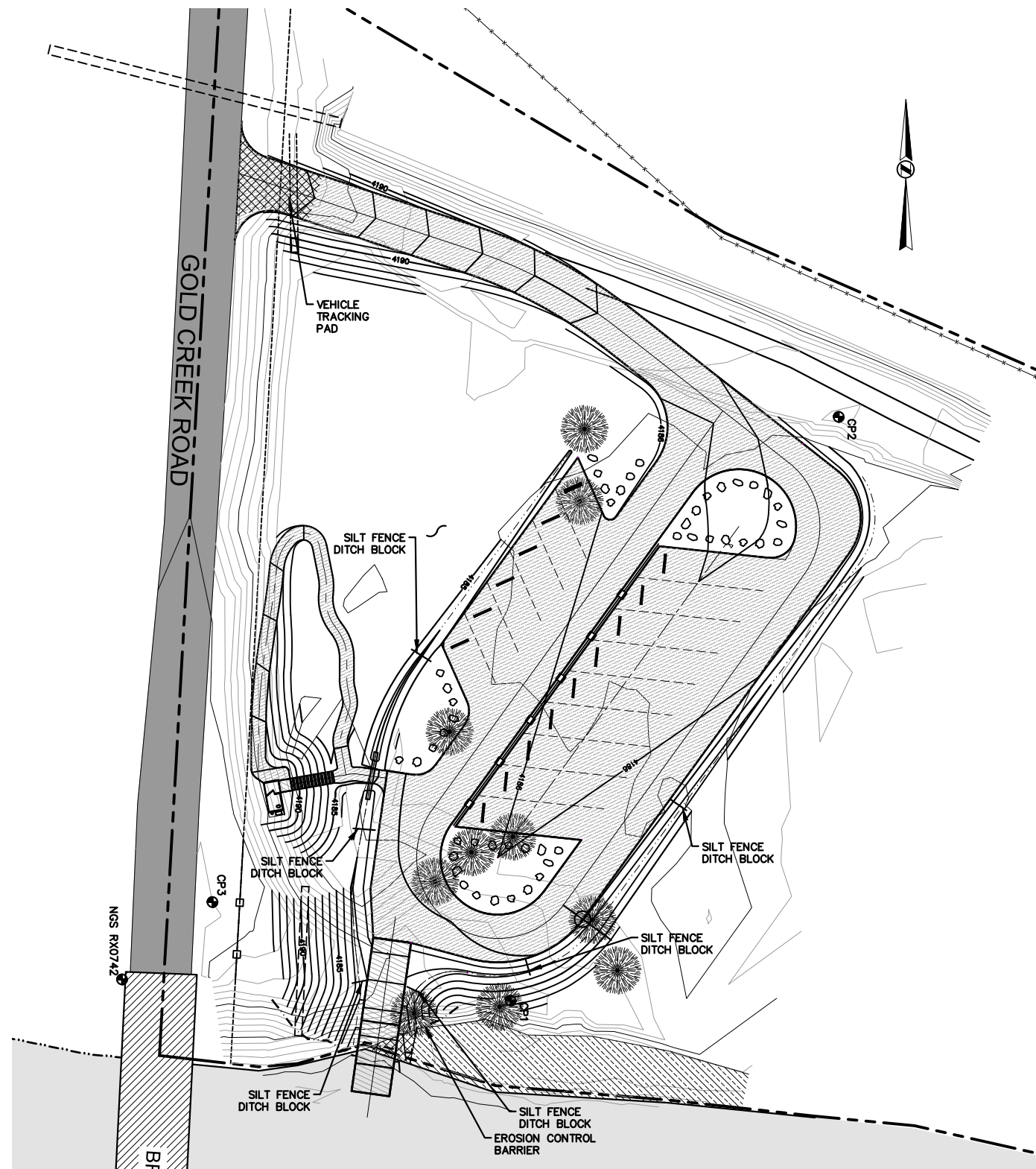
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TIMBER STEP DETAILS
GOLD CREEK FISHING ACCESS SITE
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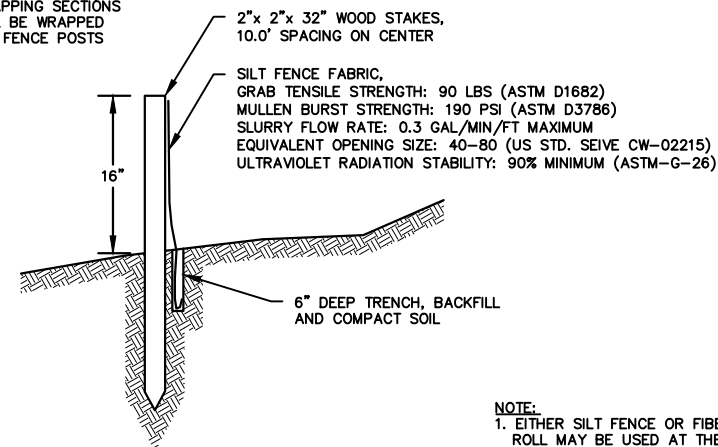
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SHEET: **C8**

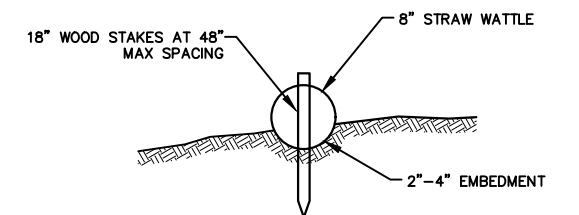


BOAT RAMP AREA EROSION CONTROL PLAN
NO SCALE

NOTE:
1. ENDS OF OVERLAPPING SECTIONS OF FABRIC SHALL BE WRAPPED AROUND SHARED FENCE POSTS UNTIL SECURE.



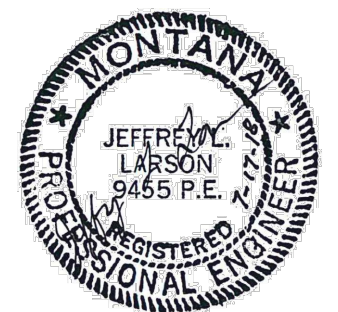
SILT FENCE



FIBER ROLL

EROSION CONTROL BARRIER DETAILS

NO SCALE



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**MONTANA FISH,
WILDLIFE & PARKS**

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EROSION CONTROL DETAILS
GOLD CREEK FISHING ACCESS SITE
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